

Amendments to the Specification:

Please replace the paragraph beginning at page 9, line 31 with the following rewritten paragraph:

The invention is now to be further described with reference to the drawings in which Fig. 1 is a schematic and diagrammatic view of a computer implementation for carrying out the method according to the present invention,

Fig. 2 is a diagrammatic view of a flow of information in the computer implementation shown in Fig. 1,

Fig. 3 is a diagrammatic view of a scheme of establishing fulfillment of load-bearing capability of a profiled, composite pultruded element of a load-bearing structure according to the teachings of the present invention, and

[[Fig.]] Figs. 4a-4g [[is]] are English translations of screen printouts of a password-protected homepage including a prototype calculation program.

Please replace the paragraph beginning at page 11, line 20 with the following rewritten paragraph:

The calculation program 26 performs a comparison of the load requirements specified by the technician to the specific load capabilities calculated from the load-bearing structure designed by the technician. Provided the comparison establishes the load requirements to be fulfilled, the homepage 20 outputs a positive validation response and corresponding data of the load-bearing structure and data regarding the specific profiled, composite pultruded elements.

Provided the comparison establishes the load requirements to be non-fulfilled, the calculation program 26 chooses an alternative profiled, composite pultruded element from the list, or the calculation program 26 chooses a profiled, composite pultruded element having a load capability that is higher [[that]] than that of the profiled, composite pultruded element selected by the technician, alternatively ; alternatively the calculation program will choose another dimension of the profiled, composite pultruded element and recalculate the specific load capability of the structure composed of the specific profiled, composite pultruded elements having the alternative dimension.